

13-16-15W
NW NE SW

September 15, 1965

K.G.S. LIBRARY

Nadel and Gusman
1714 First National Building
Tulsa, Oklahoma 74103

Re: Karst "A" No. 1
NW NE SW 13-16S-15W
Barton County, Kans.

Gentlemen:

GEOLOGICAL REPORT

Elev: 1941 D.F.
1944 K.B.

(All measurements taken from K.B.)

Set 8-5/8" @ 288' with 175 sacks.

- Top Anhydrite 959' (+ 985) Driller
- Top Heebner Shale 3112' (-1168)
- Top Toronto Lime 3131' (-1187)
- Top Lansing Lime 3176' (-1232)

3198-3202' White finely crystalline to suboolicastic lime. Slight porosity with spotted stain. Show free oil. No odor.

DRILL STEM TEST No. 1 3185-3211' - Tool open 2 hours - weak blow. Recovered 150' muddy salt water with few specks oil. IBHP 751#, FBHP 667#/45". Flow pressures 29# - 84#.

3242-3251' Tan fossiliferous to oolicastic lime. Fair porosity with trace dead oil. No odor. (Did not warrant testing).

3269-3283' Grey, white oolicastic lime. Good porosity. No show.

3395-3401' White fossiliferous lime. Show dead oil.

Base Kansas City Lime 3405' (-1461)

Top Cherty Conglomerate 3428' (-1484)

Arbuckle Dolomite 3450' (-1506)

3452-3459' White medium to coarsely crystalline dolomite. Fair to good porosity. Trace free oil. Faint odor. Trace dead oil.

DRILL STEM TEST No. 2 - 3452-3462' - Tool open 1 hour. Weak blow throughout. Recovered 90' muddy salt water. IBHP 969# - FBHP 929#. FP 31# - 54#.

Rotary Total Depth (3462' (-1518))

REMARKS

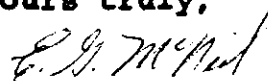
Samples were examined from 3000' to Total Depth. Drilling was supervised from 3100' to Total Depth.

On top of the Lansing the No. 1 Karst "A" was structurally 6' low to the Western Petro. production two locations west, and 21' low on the Arbuckle.

The Lansing zone which produces in the Western Petro. wells was covered by Drill Stem Test No. 1, resulting in the recovery of salt water.

In view of the negative results of the drill stem tests, it was recommended the No. 1 Karst "A" be plugged and abandoned.

Yours truly,



E. G. McNeil,
Geologist